

Table 3. Summary of Tasks, Methods, Sample Numbers, and Cost for High, Medium and Low Cost Options for a Comprehensive Environmental Assessment of Building 807

Sample Type	Analyte	Location/Material	Method	High Cost Plan		Medium Cost Plan		Low Cost Plan	
				Sample Description	#	Sample Description	#	Sample Description	#
Air Sampling; Lab Analysis	VOCs (List 1)	Office locations and outdoors	TO17 Carbotrap-GC/MS	5 days; 5/day bldg; 1/day outside; 2 field blanks	32	5 days; 5/day bldg; 1/day outside; 2 field blanks	32	4 days; 5/day bldg; 1/day outside; 2 field blanks	27
Air Sampling; Lab Analysis	Formaldehyde Organophos.	Office locations and outdoors	NIOSH 2541	5 days; 3/day bldg; 1/day outside; 2 field blanks	22	5 days; 2/day bldg; 1/day outside; 2 field blanks	17	4 days; 2/day bldg; 1/day outside; 1 field blank	13
Air Sampling; Lab Analysis	Pesticide Scan (List 2)	Office locations and outdoors	NIOSH 5600	4 on 1st, 2 on 2nd, 2 on 3rd, 1 outside, 1 blank	10	3 on 1st, 1 on 2nd, 1 on 3rd, 1 outside	6	2 on 1st, 1 on 2nd, 1 on 3rd	4
Air Sampling; Lab Analysis	Amines; acrylamide	Office and laboratory locations	NIOSH 2002 OSHA 21	1st floor and labs with chemical usage	8	1st floor and labs with chemical usage	6	1st floor and labs with chemical usage	4
Air Sampling; Lab Analysis	Bioaerosol	Office locations and outdoors	Air-O-Cell cassettes; spore # and ID	5 days; 3/day bldg; 1/day outside	20	5 days; 2/day bldg; 1/day outside	15	4 days; 2/day bldg; 1/day outside	12
Air Sampling; Lab Analysis	Viable spores	Office locations and outdoors	N-6 Impactor; culture count and ID	In areas of confirmed or suspected mold growth.	15	In areas of confirmed or suspected mold growth.	10	In areas of confirmed or suspected mold growth.	5
Air Sampling; Direct Reading	Mercury, elemental	Building-wide; previous labs	Jerome 431X	Scan all rooms	na	Scan all rooms	na	Scan all rooms	na
Air Sampling; Direct Reading	Total particulate	Office locations and outdoors	Casella MicroDust Pro	5 days; morning & afternoon at VOC sampling locs.	na	5 days; morning & afternoon at VOC sampling locs.	na	4 days; morning & afternoon at VOC sampling locs.	na
Air Sampling; Direct Reading	Carbon dioxide, temperature, RH	Office locations and outdoors	TSI Q-Trak	5 days; morning & afternoon at VOC sampling locs.	na	5 days; morning & afternoon at VOC sampling locs.	na	4 days; morning & afternoon at VOC sampling locs.	na
Air Sampling; Direct Reading	Carbon monoxide	Office locations and outdoors	Drager Pac III	5 days; morning & afternoon at VOC sampling locs.	na	5 days; morning & afternoon at VOC sampling locs.	na	4 days; morning & afternoon at VOC sampling locs.	na
Air; Bulk; or Wipe Sampling	Miscellaneous organic/inorganic compounds	Lab or previous lab locations; building materials, etc.	Varies	Not to exceed \$1,500 10 in HVAC ducts; 5 HVAC filters; 10 on accessible surfaces	TBD	Not to exceed \$1,000 8 in HVAC ducts; 4 HVAC filters; 8 on accessible surfaces	TBD	Not to exceed \$500 6 in HVAC ducts; 3 HVAC filters; 6 on accessible surfaces	TBD
Surface Wipe or Bulk	Metals (List 3)	HVAC and accessible surfaces	ICP Scan	Ad hoc locations	25	Ad hoc locations	20	Ad hoc locations	15
Surface Microbiological	Fungal spores or hyphae; bacteria	Surfaces with evidence of microbio growth	Visible microscopy	Ad hoc locations	20	Ad hoc locations	15	Ad hoc locations	10
Vacuum Dust	Allergens: dust mite, cock roach	Carpeting in occupied areas	IBT: polyclonal antibody	Carpeting; dusty areas	10	Carpeting; dusty areas	8	Carpeting; dusty areas	6
Vacuum Dust	Viable mold	Carpeting in occupied areas	Culture; viable spore count and fungal ID	Carpeting; dusty areas	10	Carpeting; dusty areas	8	Carpeting; dusty areas	6
Other Tasks:				Preliminary visit to mark wall, ceiling, duct locations for approval. On-site presentation of final report.		Preliminary visit to mark wall, ceiling, duct locations for approval. On-site presentation of final report.		No preliminary visit. No on-site presentation of final report.	
Personnel Cost:				\$26,080.00		\$23,950.00		\$19,200.00	
Analytical Cost:				\$22,635.00		\$18,800.00		\$14,515.00	
Travel Cost:				\$4,589.00		\$4,246.00		\$3,353.00	
Total Cost:				\$53,304.00		\$46,996.00		\$37,068.00	